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50 LeuGlulYProGluYAlaSerTrpThrSerGluArgProGlnPheTr 66
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66 pSerLysThrGlnValLeuGlnTrpLieserYrGlnValGluLysAsnL 83
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315 GTCGAAGACGACGAGTTCTGGACTGATCAGCTACAGTGGAGAAACA 364
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662 GCGTGGCGGAGAGGCCCTCCCTGGCAGCTCTACGCTCCACCGCA 711
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862 CCCCGAAGCTGAGCAAGAGTACTGGACTGTCTCAGAGGGCGCAAGAG 911
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266 rYrSerHisAlaProArgGlyThrHisLeuTrpGlnPheIleArgAspIle 283
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seq_name: /cgn2_6/plodata/2/lna/6A_COMB.seq:US-09-009-913-2
seq_documentation_block:
; Sequence 2, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axis Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5427 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-2
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275 GCATGAATATTCCTCAGTACTGACCAAGTACAGAGTGGAGTGGC 324
75 LeSerTrpGlnValGluLysAsnLysTrpAspAlaSerSerIleAspPhe 91
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92 SerArgCysAsnMetAspGlyAlaThrLeuCysSerCysAlaLeuGlu 108
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250 oAtGlyLysLeuSerLysGluTyrTrpAspCysLeuGluGlyLysSerL 267
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300 uGlyValPheLysPheLeuArgSerGluAlaValAlaGlnLeuTrpLys 317
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317 LnyLysLysAsnSerAsnMetThrTyrGluLysLeuSerArgAlaMet 333
901 AAAAGAAGAACACACAGCATGACCTATGAAAAGCTCACCGAGCATATG 950

334 ArgTyrTyrLysArgGluIleLeuGluArgValAspGlyArgGly 350
951 AGAATATTACTACAAAGAGAAATACGTGAGCGTGTGATGGACAAACT 1000
350 uValTyrLysPheGlyLysAsnSerSerGlyTrpLysGluGluLys 365
1001 GGTATATTAATTTGGGAAGATGCCCGAGGATGTGAGAAAATGAA 1046
seq_name: /cgn2_6/ptodata/2/lna/6A_COMB.seq:US-09-009-913-3

seq_documentation_block:

Sequence 3, Application US/09009913
Patent No. 6087485

GENERAL INFORMATION:

APPLICANT: AXYS Pharmaceuticals, Inc.
TITLE OF INVENTION: Asthma Related Genes

NUMBER OF SEQUENCES: 339

CORRESPONDENCE ADDRESS:

ADDRESSEE: Bozicevic & Reed, LLP
STREET: 285 Hamilton Ave, Suite 200
CITY: Palo Alto

STATE: CA
COUNTRY: USA

ZIP: 94301

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/009,913

FILING DATE: 21-JAN-1998

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Sherwood, Pamela J

REGISTRATION NUMBER: 36,677

REFERENCE/DOCKET NUMBER: SEO-4P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-327-3231

TELEFAX: 650-327-3231

TELEX:

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 5510 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-09-009-913-3

alignment_scores:

Quality: 580.00

Ratio: 3.005

Percent Similarity: 61.076

Percent Identity: 40.823

alignment_block:

US-08-978-217-16 x US-09-009-913-3

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406 GCTCCAGCACCTCTGGACACCAACAGCTGGATGCCAAATGTATCTCT 455

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1 GENERAL INFORMATION:
2 APPLICANT: Axxis Pharmaceuticals, Inc.
3 TITLE OF INVENTION: Asthma Related Genes
4 NUMBER OF SEQUENCES: 339
5 CORRESPONDENCE ADDRESS:
6 ADDRESSEE: Bozicevic & Reed, LLP
7 STREET: 285 Hamilton Ave, Suite 200
8 CITY: Palo Alto
9 STATE: CA
10 COUNTRY: USA
11 ZIP: 94301
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: Diskette
14 COMPUTER: IBM compatible
15 OPERATING SYSTEM: DOS
16 SOFTWARE: PASTSEQ for Windows Version 2.0
17 CURRENT APPLICATION DATA:
18 APPLICATION NUMBER: US/09/009,913
19 FILING DATE: 21-JAN-1998
20 CLASSIFICATION:
21 PRIOR APPLICATION DATA:
22 APPLICATION NUMBER:
23 FILING DATE:
24 ATTORNEY/AGENT INFORMATION:
25 NAME: Sherwood, Pamela J
26 REGISTRATION NUMBER: 36,677
27 REFERENCE/DOCKET NUMBER: SEQ-4P
28 TELECOMMUNICATION INFORMATION:
29 TELEPHONE: 650-327-3231
30 TELEFAX: 650-327-3231
31 TELEX:
32 INFORMATION FOR SEQ ID NO: 4:
33 SEQUENCE CHARACTERISTICS:
34 LENGTH: 5667 base pairs
35 TYPE: nucleic acid
36 STRANDEDNESS: double
37 TOPOLOGY: linear
38 MOLECULE TYPE: cDNA
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53 TGGCAAGATTGCACATCAACGGCGACACCTCTGCACATGAGATTTCAG 5662
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55 74 pLseerYrGlnValGluLysAsnLysTYrAspAlaSerSerLseasp 91
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57 GCTCCAGACCTCTCTGGACACCAACGCTGGATGCCAATTGTATCCCTT 107
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59 91 hSeSerCYcysAmMetAspLyspLysAlaThrLeuCYsSerCYsAlaLeuGlu 107
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61 TCCAAAGATTGCACATCAACGGCGACACCTCTGCACATGAGATTTCAG 6662
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65 GAGTTCACCCGCGGGCGAGCGGCGCGGCGAGCTCTTACACCAACTTT 712
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67 124 uArgAspLeuThrSerAsn.....SerSerAspGluLeuSerTrpI 138
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69 GCAGCATCTGGAAGTGGACGCGCCAGTGCATGATGAC..... 749
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; Sequence 6, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: AXYs Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2428 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-6
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 Ratio: 2.623 Gaps: 6
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Align seg 1/1 to: US-09-009-913-6 from: 1 to: 2428

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seq_documentation_block:
; Sequence 10, Application US/09009913
; Patent No. 6087485
; GENERAL INFORMATION:
; APPLICANT: Axy's Pharmaceuticals, Inc.
; TITLE OF INVENTION: Asthma Related Genes
; NUMBER OF SEQUENCES: 339
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Ave, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/009,913
; FILING DATE: 21-JAN-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-4P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3231
; TELEFAX: 650-327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2498 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-009-913-10

alignment_scores:
Quality: 435.50 Length: 309
Ratio: 2.623 Gaps: 6
Percent Similarity: 53.722 Percent Identity: 30.744

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779 TCTATGGGAATTGTACGACACCTGCTTATCTCTCGAAGAAACTGTG 828
291 lLeuMetLysTrrPlyAsnArgHisGluLysAlaPheLysPheLeuArg 307
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829 GCATCTCGAATGGAGATAGGAAACAGAAATTTTCCGGTGGTTAAA 878
879 TCGGAAGCCCTGGCAAAAGATGTGGGACAAAGAAATAATGACAGAA 928
324 tthrtYrGluLysLeuSerArgAlaMetArgTyrTyrTyrLysArgGluI 341
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929 GAGGTATGAAAGTTGAGCAGAGCCCTGAGATCTACTATAAAAAACAGAA 978
341 leuGluAArgValAspGlyArgArgLeuValTyrLysPheGlyLysAsn 357
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979 TTTTGGAGCGGTTGAC...CGAAGGTTAGTGTACAAATTGGAAAAAAT 1025
358 SerSerGlyTrrPlysgLugLugIuVal 366
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1026 GCACACGGGTGGCAGAGAACAGCTA 1052

seq_name: /cgn2.6/ptodata/2/lna/5A_COMB.seq:US-08-368-281-1
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seq_documentation_block:
; Sequence 1, Application US/08368281
; Patent No. 5721113
; GENERAL INFORMATION:
; APPLICANT: Libermann, Towia A
; APPLICANT: Oetting, Joerg P
; APPLICANT: Kunsch, Charles A
; TITLE OF INVENTION: NERF Genes
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/368,281
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Baumeister, Kirk
; REGISTRATION NUMBER: 33,833
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5096
; TELEFAX: 610-270-5090
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2975 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-368-281-1

alignment_scores:
Quality: 238.50 Length: 160
Ratio: 2.434 Gaps: 2
Percent Similarity: 61.250 Percent Identity: 33.750

alignment_block:
US-08-978-217-16 x US-08-368-281-1 ..
Align seg 1/1 to: US-08-368-281-1 from: 1 to: 2975

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344 GAGGTGTCAGCTGAGAGCTGGAACCCATGATCTCTCTATTCACAC 393
211 pSerGlyGlySerAspValAspLeuThrGlnSerHisValPhep 228
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394 ATGACCGATGATGACATGACCAATGCAAAAGAAAGTTGCGCGTAAC 443
228 roAtgAspAspPheThrAspTyrGlyGlyGluProLysHisGlyLys 244
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444 CAAAGACCCAGCAATGCAATTCCTCAATGGCTCTCGATGAGTATA 493
245 ArgLysArgGlyArgProArgLysLeuSerLysGluTyrTrpAspCysLe 261
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494 AAGAGAAACCAACA..... 508
261 uGluGlyLysSerLysHisAlaProArgGlyThrHisLeuTrpGluP 278
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509 .GAGGAAAGGAAACACA.....ACCTATTGTGGGAGT 542
278 heLeuArgAspIleLeuIleHisProGluLeuAsnGluGlyLeuMetLys 294
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543 TTCCTTAGATCTACTTCAGATAAAATAACTGTGCCAGGTATATTAA 592
295 TrpGluAsnArgHisGluGlyValPheLysPheLeuArgSerGluAlaVa 311
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593 TGGACTCAGAGAGAAAAGGCATATTCAAGCTGTGGATTCAAAGCTGT 642
311 lAlaGlnLeuTrpGlyGlnLysLysLysAsnSerAsnMetThrTyrGluL 328
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643 CTCATAGCTTTGGGGAAGCATTAAGCAACACACATGAACTATGAA 692
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693 CCATGGAGAGCTTTGAGATCTACTACCAAAAGGGAATCTTGCAAG 742
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seq_name: /cgn2.6/ptodata/2/lna/5A_COMB.seq:US-08-368-281-3

seq_documentation_block:
; Sequence 3, Application US/08368281
; Patent No. 5721113
; GENERAL INFORMATION:
; APPLICANT: Libermann, Towia A
; APPLICANT: Oetting, Joerg P
; APPLICANT: Kunsch, Charles A
; TITLE OF INVENTION: NERF Genes
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/368,281
; FILING DATE:
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Baumeister, Kirk
; REGISTRATION NUMBER: 33,833
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5090
; TELEFAX: 610-270-5090
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-368-281-3

alignment_scores:
Quality: 238.50 Length: 160
Ratio: 2.434 Gaps: 2
Percent Similarity: 61.250 Percent Identity: 33.750

alignment_block:
US-08-978-217-16 x US-08-368-281-3 ..
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195 AspValSerThrAlaArgThrAlaThrProGlnSerHisAlaSerAs 211
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609 GAGGTGCAACTGAGAGCTGGAACCATGAGTCTCTCTATTCAC 658
211 pserglySeraspValaspleuAspleuThrglySerlyValp 228
659 ATCACCAGATAGCCATGACCATGAAAAAGAAAGTTGGCCGTAA 708
228 roArgaspAspPheThrAspPtyrLysLysGlyLupPolySHsGly 244
709 CAAAGACCCGCAATCACCAATTTCCAAATGGTCTCTGAGTATG 758
245 ArgLysArgLysArgProArgLysLeuSerLysLupTyrTrpAsp 261
759 AAGAGAAACCAAGA..... 773
261 uGlyLysLysSerLysHisAlaProArgGlyThrHisLeuTrp 278
774 .GAAGGAAAAAGAAACACA.....ACCTATTGGGGAGT 807
278 heileArgAspIleLeuIleHisProGlyLeuAsnGlyLeuMet 294
808 TTCTTTAGATCTACTTCAGATMAAATACTTGTCCAGATATATA 857
295 TyrGlnAsnArgHisGlyValPheLysPheLeuArgSerGlyAla 311
858 TGGACTCAGAGAGAAAAAGCATATTCACCTGGTGAATCAAGGCT 907
311 lAlaGlnLeuTrpGlyGlnLysLysAsnSerAspMetThrTyrG 328
908 CTCTAACCTTTGGGGAAGCATAGAACCAACGACATGACATATA 957
328 yLeuSerArgAlaMetArgTyrTyrLysArgGlyIleLeuGly 344
958 CCATGGACGACGCTTGATGATCTACTACCAAGGGAATTTCTGA 1007
345 ValAspGlyArgArgLeuValTyrLysPhe 354
1008 GTTGAAGAGACAGAGCTGTATATACAGTTC 1037

seq_name: /cgn2_6/ptodata/2/lna/5A.COMB.seq:US-08-306-691B-43
seq_documentation_block:
; Sequence 43. Application US/08306691B
; Patent No. 5734039
; GENERAL INFORMATION:
; APPLICANT: Calabretta, Bruno
; APPLICANT: Skorski, Tomasz
; TITLE OF INVENTION: ANTISENSE
; TITLE OF INVENTION: OLIGONUCLEOTIDES TARGETING COOPERATING ONCOGENES
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Conda, Lavoragna & Monaco, P.C.
; STREET: Two Penn Center, Suite 1800
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,691B
; FILING DATE: September 15, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-8
; TELECOMMUNICATION INFORMATION:

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; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELEX: No. 5734039e
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1604 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-306-691B-43

alignment_scores:
Quality: 225.50 Length: 460
Ratio: 1.059 Gaps: 25
Percent Similarity: 46.304 Percent Identity: 22.609

alignment_block:
US-08-978-217-16 x US-08-306-691B-43 ..
Align seg 1/1 to: US-08-306-691B-43 from: 1 to: 1604

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34 eGlyThrGlnAspleuValleuThrLeuAsnAsnGlnGlyMetThr 51
384 .....CTATTACTCCAAGCAGCAAGAAATGATGTCTC 417
51 lGlyProGlyLys.....AlaSerTrpThrSerGlyArg..... 62
418 AAGCATTAAGAGCTACTTTCAGTGTGTTCTACTAAGAACAGACAG 467
63 .....ProGlnPheTrpSerLysThrGlnValLeuGlyTr 74
468 GCGATCCCAAAAGACCCCGCAGCTGAGCAAGAACCCATGTCGGGAC 517
74 pLeuSerTyrGlnValGlyLysAsnLysTyrAspAlaSerSerIle 91
518 GGTGATGTGGGCTGTG.....ATGAATTCAGCCTGAAGGTCTAAGT 561
91 heSerArgCysAsnMetCaspGlyAlaThrLeuCysSer..... 103
562 TCCAGAGTTCGTGTATGATGATGACAGACCCCTGCGCCGTGAAGAC 611
104 CysAlaLeuGlnGlyLeuArgLeuValPheGlyProLeuGlyAsp 120
612 TGCCTTCTCGAG..... 623
120 uHisAlaGlnLeuArgAspleuThrSerAsnSerSerAspGlyLeu 137
624 .....CTGGCCCAAGACTTGTGGGAGACATCTTAT 654
137 rp..IleIleGlnLeuGlnLysAspLysPheGlnGlnSer 152
655 GGGAACTCTAGAGATCTGCAGAAAGAG..... 683
153 LeuGlyAspleuGlyProPheAspGlnGlySerProPheAlaGln 169
684 .....GATGTGAACCATATCAAGTTAATGA.....GTCAACCCAGC 721
169 uLeuAspAspGlyArgGlnAlaSerProTyrTyrCysSerThrTyr 185
722 CTATCCAGATCCCGCTATACCTGCGATTACTTCAATTAGC...TAT 768
186 ProGlyAlaProSer..... 190
769 TTGAGCATGCCAGTGTGTCCACCATCGAGAGTTCAGAGCCAGCTTC 818
191 .....ProGly.....SerSer 195
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208 ..... 208
919 TCCAGACAGACACCTTGACAGAACTACTTGTCTATCAAAACAAGATC 968
208 ..... 208
969 GTACCCCAAGACAACATGTCATGGGAGAGACCACTGCTGAACCTCG 1018
209 ..... Ala 209
1019 GGGCCAGACTCTTTGAAGCATAGAGACTAGATAGTTGTGATGGCC 1068
210 SerAspSerGlyIysSerAspValAspLeuThrGlnSerIysVa 226
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1069 TCACCCAGTCTGAGCAGCCAGTCATCTTCA...ACAGCTGCAACGCT 1115
226 lPhePro...ArgAspAspPhe.....ThrAspTyrIlyslsGlyLupr 240
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1116 GTTCCCTCCATGACAGACTTCGACTCAGAGACTATCCGCTGCCCTGCC 1165
240 oLysHISgLyIysArgLysArgLysArgProArgLysSerLysGluT 257
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1166 CAACCAAC.....AGCCCAAGGCACTTCAGAGACT 1197
257 Yr...TrpAspCysLeuGluGlyLysSerLys..... 267
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1198 ATGTGGGGGACCGTGTGACCTCAATTAAGACAAGCCTGTCATCTCTGCT 1247
268 .....HisAlaProArgGly...ThrHisLeuTrpGluPh 278
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1248 GCTGCCCTACTGCTACACAGCAGTGCACCAATCCAGCTATGCGAGTT 1297
278 eLLeArgAspIleLeuIleHisProGluLeuAsnGluGlyLeuMetLysT 295
    ||||| ||||| ||||| ||||| |||||
1298 TCTTCTGGAATTACTACTGATTAATCTCTG...CACTCTTTATACGCT 1344
295 rPolAsnAlaArgHISgLyLys...ValPheLysPheLeuArgSerGluAla 310
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1345 GGACAGCA.....GATGCTGGGAATTCAACTTCTGACCCAGATGAG 1388
311 ValAlaGlnLeuTrpGlyGlnLysLysAsnSerAsnMetThrTyrG1 327
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358 SerSerGlyTyrPlysgLugluGluVal 366
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1539 CTGCTGGGGTACACCCCTGAGAGAGCTG 1565
seq_name: /cgn2_6/plodata/2/lna/PCTUS.COMB.seq:PCT-US93-06251-9
seq_documentation_block:
: Sequence 9, Application PC/TUS9306251
: GENERAL INFORMATION:
: APPLICANT: Wickstrom, Eric and Rife, Jason P.
: TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
: NUMBER OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
: CORRESPONDENCE ADDRESS: 93
: ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSER
: STREET: 400 Garden City Plaza

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: CITY: Garden City
: STATE: NY
: COUNTRY: USA
: ZIP: 11530
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: PCT/US93/06251
: FILING DATE: 19930630
: CLASSIFICATION:
: ATTORNEY/AGENT INFORMATION:
: NAME: Digilio, Frank S.
: REGISTRATION NUMBER: 31,346
: REFERENCE/DOCKET NUMBER: 8586
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 516-742-4343
: TELEFAX: 516-742-4366
: TELEX: 230 901 SANS UR
: INFORMATION FOR SEQ ID NO: 9:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1604 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: PCT-US93-06251-9

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alignment_scores:
  Quality: 225.50      Length: 460
  Ratio: 1.059        Gaps: 25
  Percent Similarity: 46.304  Percent Identity: 22.609

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34 eGlyThrGluAspLeuValLeuThrLeuAsnGlnGlnMetThrLeug 51
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384 .....CTATTAACTCCAAGCAGCAAGAAATGATGTCTC 417
51 LuGlyProGluLys.....AlaSerTrpThrSerGluArg..... 62
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418 AAGCATTAAGCAAGCTACTTCACTGTTTCACTAAAGAACACAGCACTG 467
63 .....ProGlnPheTrpSerLysThrGlnValLeuGluTr 74
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468 GGGATCCCAAAAGACCCCGCAGTGGAGAAACCAATGTTCCGCGACTG 517
74 PLeSerTyrGlnValGluLysAsnLysTyrAspAlaSerSerIleAsp 91
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518 GGTATGATGGCTGTG.....AATGAATTCAGCTGAAGGTGTAGACT 561
91 hEserArgCysAsnMetAspGlyAlaThrLeuCysSer..... 103
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562 TCCAGAACTTCTGATGATGAGACAGACCCCTGCGCTCGGTTAAAGAC 611
612 TGCTTCTCGAG..... 623
104 CysAlaLeuGluGluLeuArgLeuValPheGlyProLeuGlyAspGlnLe 120
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624 .....CTGGCCCAAGACTTGTGGGAGCAATCTTAT 654

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699  CAGATCTGTGAACCTTGGCAAGCACTTCTGTGAGCTGCACCTGCA 748
   114  yProLeuGlyAspGluLeuH1aGlnLeuArgAspLeuThSerAns 131
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749  CTTTGGGGTGACATTTCTGTGGACATCTGGACAAATGATGAAAGAA 798
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799  ACCAAGAAAGACAGAAAGATCAATATGAGAAATTCACACCTCACCTCC 848
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   ||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
849  GTTCTCATTTGGATTAAAGCAATACATTAGCTTTGGCAGACAGAGAGC 898
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899  GCCCTATGGAAATGCAGACAGAAATTAACCC...AAGCGGCTCTCTGG 945
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   228  .....ProArgAspAspPheThr 233
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   234  AspTrp.....LysLysGlyGluProLysH1aGlyLysArgLysArgG1 248
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1325  CAACCA..... 1331
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1465  AGCTCCCGACCCCGATGAGGTGCGCGCGTGGGAGAAAGAGAAAT 1514
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seq_name: /cgn2_6/plodata/2/1na/6B_COMB.seq:US-09-360-779-1

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seq_documentation_block:
; Sequence 1, Application^ US/09360779
; Patent No. 6268216
; GENERAL INFORMATION:
; APPLICANT: Denieris, Evan S.
; APPLICANT: Ryodor, Dmitry V.
; TITLE OF INVENTION: Reagents and Methods for the Screening of Compounds
; FILE REFERENCE: CASE-03828
; CURRENT APPLICATION NUMBER: US/09/360,779
; EARLIER APPLICATION NUMBER: 60/094,264
; EARLIER FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1752
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (112)..(1131)
; US-09-360-779-1

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Align seg 1/1 to: US-09-360-779-1 from: 1 to: 1752

```

115  ProLeuGlyAspGlnLeuH1a.....GlnLeuArgAspLe 127
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
133  CCTGTGGGAGAGAGGCTTCACGCCACCCCTCAGCCCTACCTCCCT 182
   127  uphSerAsnSerSerAspGluLeuSer.....TrpIleIleGluLeuL 142
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
183  CACAGCTCACTCTCCAGTACACCGGACCGGAGTGGCT..... 222
   142  euGluLysAspGlyMetSerPheGlnGluSerLeuGlyAspLeuGlyPro 158
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
223  .....GGGATGCAGCTCCAGAGACCCCTC..... 246
   159  PheAspGlnGlySerProPheAlaGlnGluLeuLeuAspAspGlyArgG1 175
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
247  .....CCTCTACACACACCTGCGTGGCGGCTCCGCGCA 281
   175  nAlaSerPro.....TyrTrpCysSerThrTrpGlyP 186
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
282  GGCCTTGGCGGACCGGCGGCTTACTCTTCTGTTCACCCAGACTGAC 331

```

```
186 ro.....GlyAlaProSerProGlySerSer.....AspVal 196
    |||:::|||||
332 CACGGCGGATATCGCACCCCAAGCGCAAGCTGACCTGCCCGCCG 381
    |||:::|||||
197 SerThrAlaArgThrAlaThrProGlnSerSerHisAlaSerAspSerG1 213
    ::::|::|
382 CGGTCCCCCATCTCCACCCAGCCAGTCCCCGGCAGGATGAGACAGAG 431
    ::::|::|
213 yGlySerAspValAspLeuAspLeuThrGlnSerLysValPheProArgA 230
    ::|:::|::|
432 CGGACACTCCACGCGCTGATCAACATATCTACCAACATCCCGTCG 481
    ::|:::|::|
230 sPAspPheThrAspTyrLysGlyLupProLysHisGlyLysArgLys 246
    |||:::|::|
482 GAGAT.....GCTCTTTTAAAGAGGAG..... 507
    |||
247 ArgGlyArgProArgLysLeuSerLysGluTyrTrpAspCysLeuGlu 263
    ::::|::|
508 .....AGCCCGAGCTGG.....GG 521
    |||
263 yLysLysSerLysHisAlaProArgGlyThr.....HisLeuTrpG 277
    |||:::|::|
522 GCGCTGAGCGCTCGGTACAGAAAGCAGCGGCGAGATCCAGTTGTGCG 571
    ::|:::|::|
277 lUpheIlleArgAspIleLeuIlleHisProGluLeuAsnGluGlyLeuMet 293
    ::|:::|::|
572 AGTTTCTACTGAGCTGTGTGCA...GACCGCGCAAGCGCGCTGCATC 618
    ::|:::|::|
294 LysTrpGluAsnArgHisGluGlyValPheLysPheLeuArgSerGluAl 310
    |||:::|::|
619 GCGTGGAGGGCGGCCAC...GGCGAGTTCAGCTCACCGACCGCCGACGA 665
    |||:::|::|
310 aValAlaGlnLeuTrpGlnLysLysLysAsnSerAsnMetThrTyrG 327
    |||:::|::|
666 GGTGGCGGAGCGTGGGGCGAGCGCAAGCAAGCAATGAACTAG 715
    ::|:::|::|
327 lLysLeuSerArgAlaMetArgTyrTyrLysArgGluIleLeuGlu 343
    ::|:::|::|
716 ACAAGCTTAAGTCGAGCACTGCTACTACTAGCAAAAAACATCATGAGC 765
    ::|:::|::|
344 ArgValAspGlyArgArgLeuValTyrLysPhe 354
    ::|:::|::|
766 AAGGTGCACGGCAAGCGCTACGCTT 798
```

